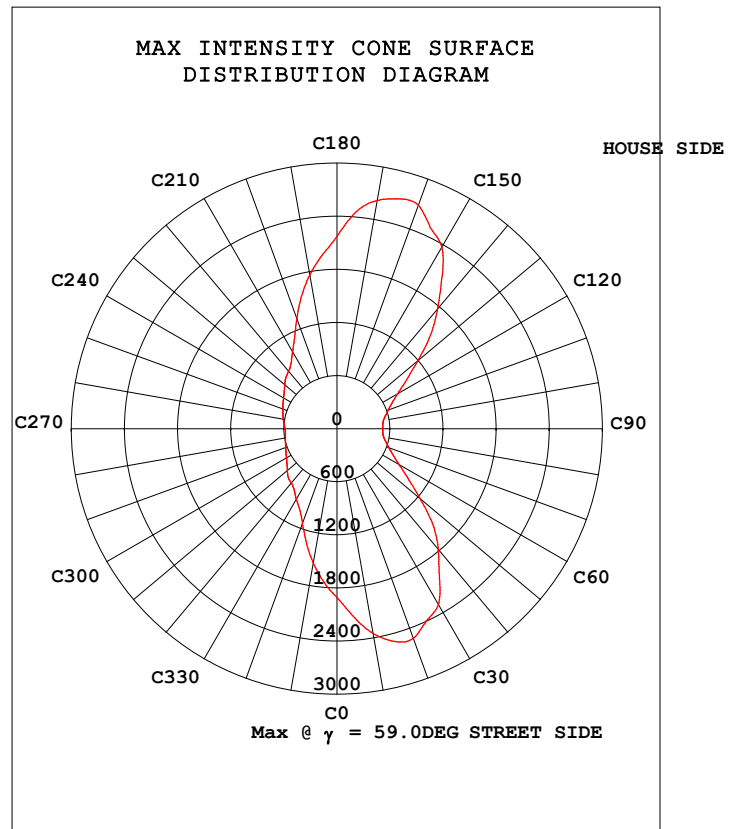
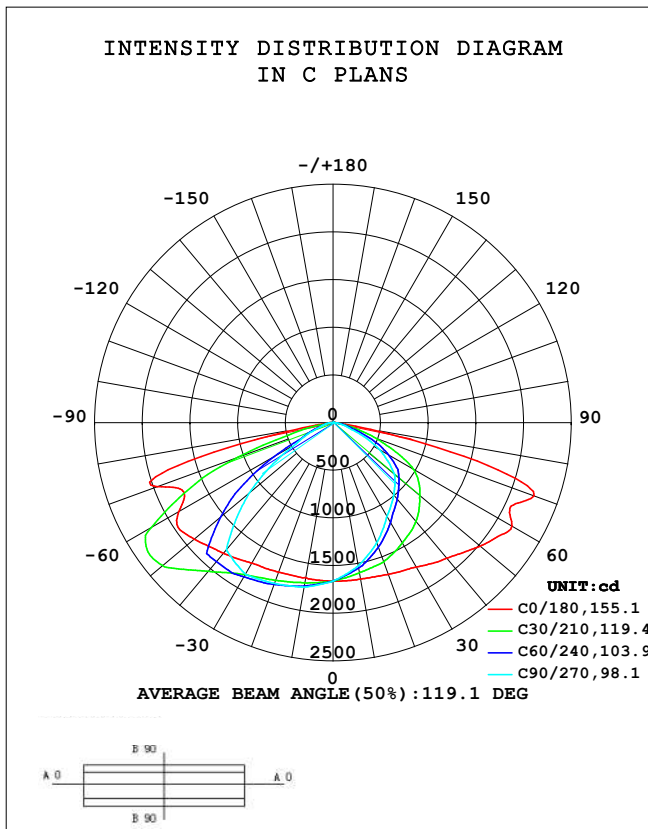


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.1918A P:40.81W PF:0.9636 Lamp Flux:6189.05x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.64 lm/W			
MODEL	LED	I _{max} (cd)	2690	η street_up (%)	0.0
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	50.0
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	6189	η house_up (%)	0.0
NOMINAL FLUX (lm)	6189.05	MAXIMUM @ (C, γ)	160,59.0	η house_down (%)	50.0
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	19.559



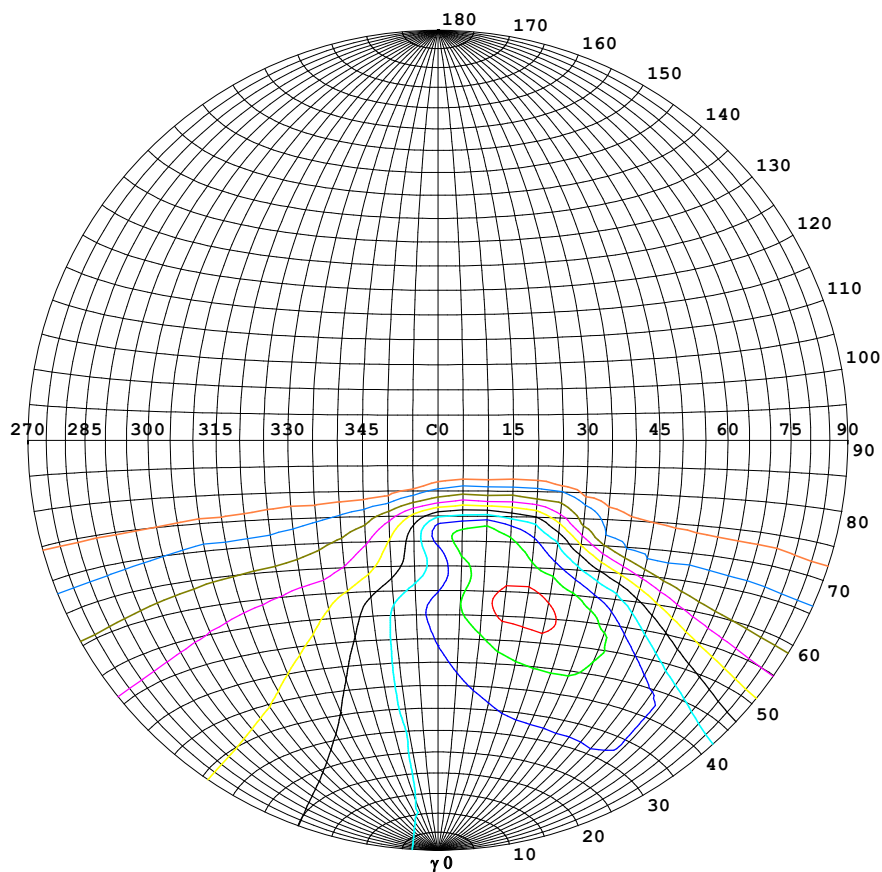
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.1918A P:40.81W PF:0.9636 Lamp Flux:6189.05x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



Classification:

IES:Type IV - Short

CIE:Broad - Short

IES:Cut-off

CIE:Semi-cut-off

Max.At80:66.85cd/klm

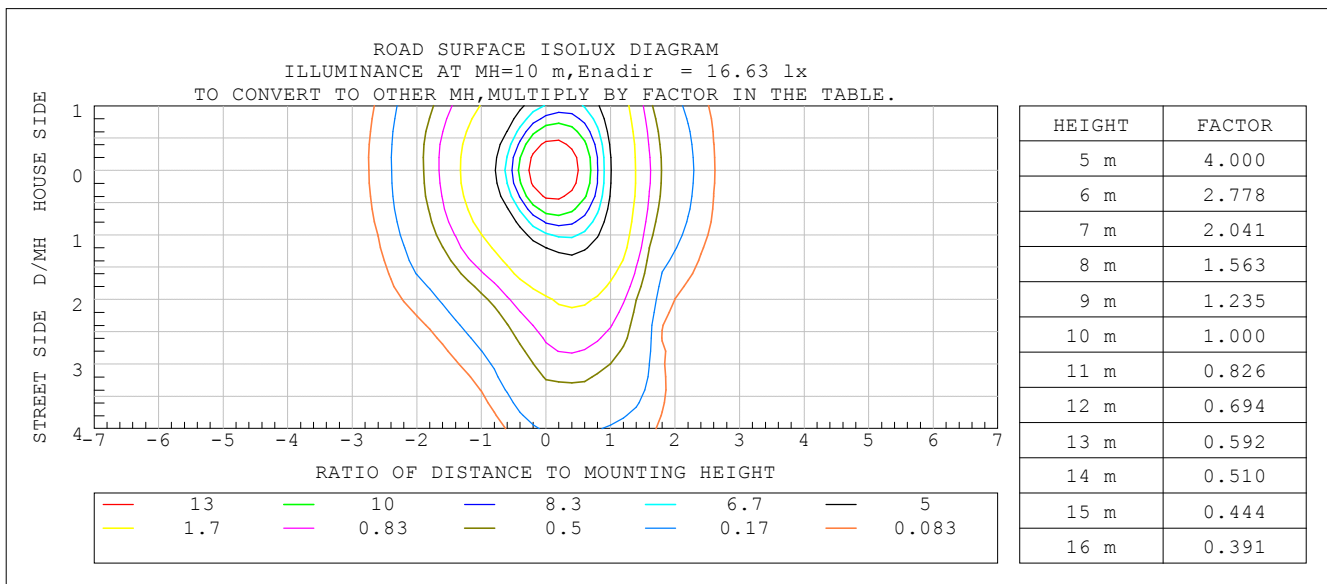
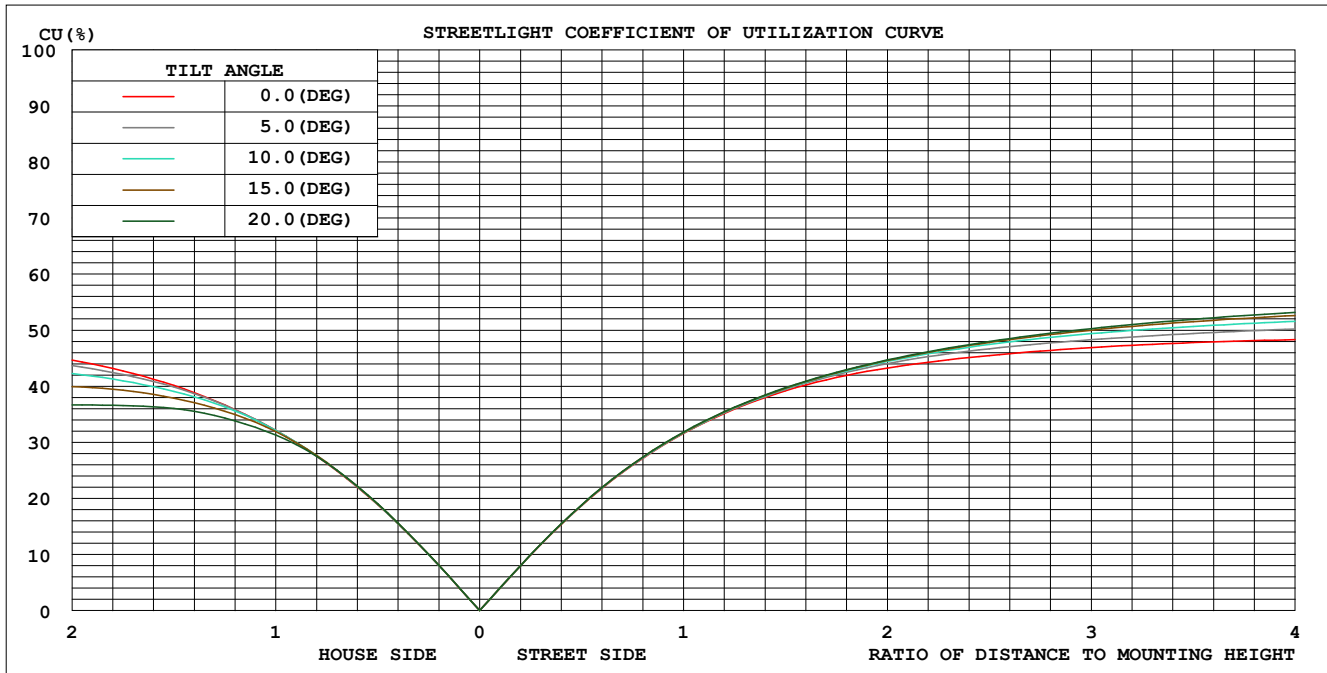
Max.At90:3.929cd/klm

Max.80-90:66.85cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2690
90%	2421
80%	2152
70%	1883
60%	1614
50%	1345
40%	1076
30%	807
20%	538
10%	269
5%	134

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.1918A P:40.81W PF:0.9636 Lamp Flux:6189.05x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

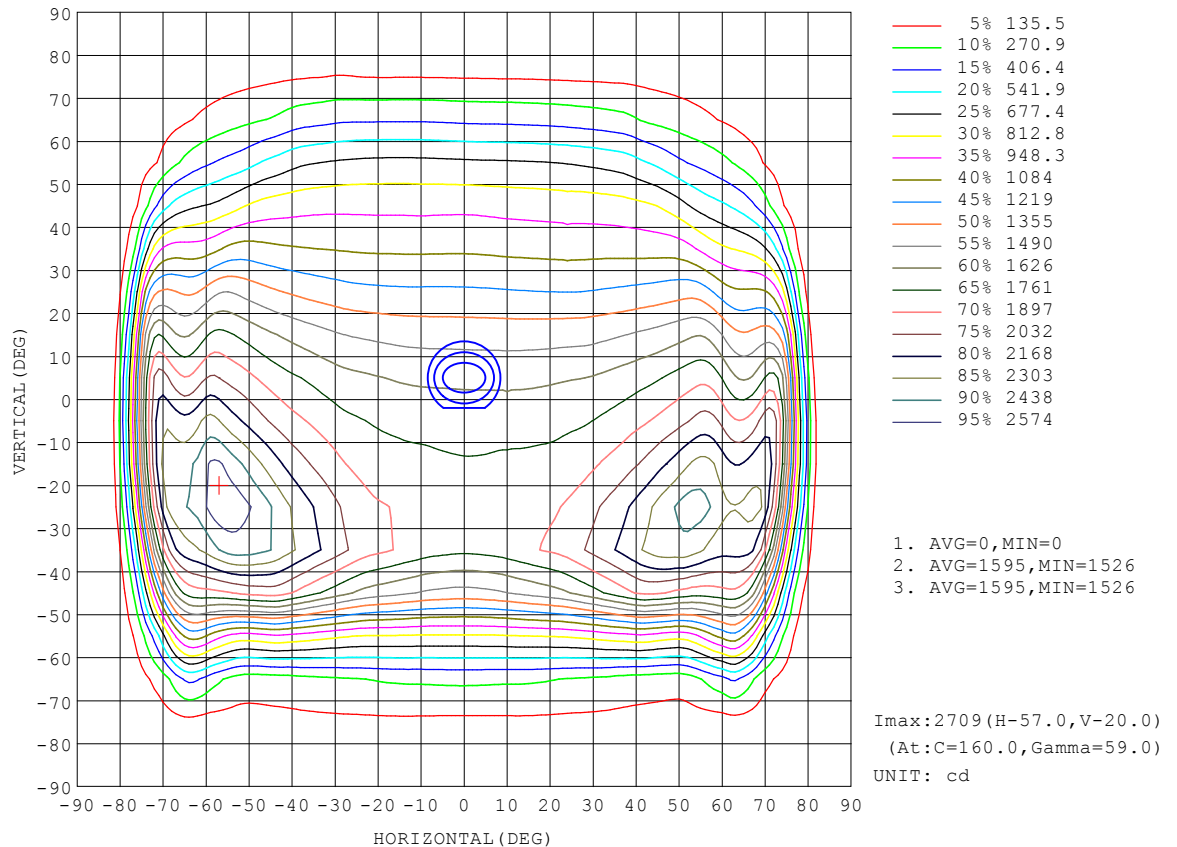
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	*lum,lamp
5	1661	1693	1707	1697	1665	1616	1595	1613	0- 5	39.64	39.64	0.64,0.64
10	1650	1726	1752	1734	1667	1571	1527	1565	5- 10	118.2	157.8	2.55,2.55
15	1660	1759	1773	1770	1675	1524	1435	1514	10- 15	195.0	352.8	5.7,5.7
20	1669	1788	1794	1805	1693	1457	1343	1442	15- 20	268.8	621.6	10,10
25	1685	1827	1816	1849	1717	1385	1238	1362	20- 25	339.6	961.2	15.5,15.5
30	1703	1861	1839	1891	1750	1308	1134	1277	25- 30	406.2	1367	22.1,22.1
35	1744	1924	1791	1961	1805	1224	1063	1189	30- 35	469.6	1837	29.7,29.7
40	1790	2012	1743	2055	1857	1138	992.2	1101	35- 40	530.5	2367	38.3,38.3
45	1837	2069	1444	2098	1929	1073	917.9	1034	40- 45	583.3	2951	47.7,47.7
50	1902	2105	1144	2114	2015	995.0	843.6	958.0	45- 50	616.4	3567	57.6,57.6
55	1962	1798	796.3	1779	2095	904.4	701.7	865.2	50- 55	626.3	4193	67.8,67.8
60	1868	1425	448.4	1387	2167	786.1	559.8	745.9	55- 60	598.1	4792	77.4,77.4
65	1728	714.5	301.5	714.0	2065	589.2	378.2	526.6	60- 65	510.6	5302	85.7,85.7
70	1963	233.7	154.7	246.3	2243	374.0	196.7	311.3	65- 70	403.8	5706	92.2,92.2
75	1576	132.4	107.1	141.4	1568	186.8	126.5	155.0	70- 75	299.2	6005	97,97
80	325.0	80.72	59.47	87.95	317.8	99.00	56.27	80.89	75- 80	143.6	6149	99.4,99.4
85	45.02	22.54	0	25.16	34.74	22.87	0	18.19	80- 85	35.56	6184	99.9,99.9
90	24.32	0	0	0	20.76	0	0	0	85- 90	4.663	6189	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

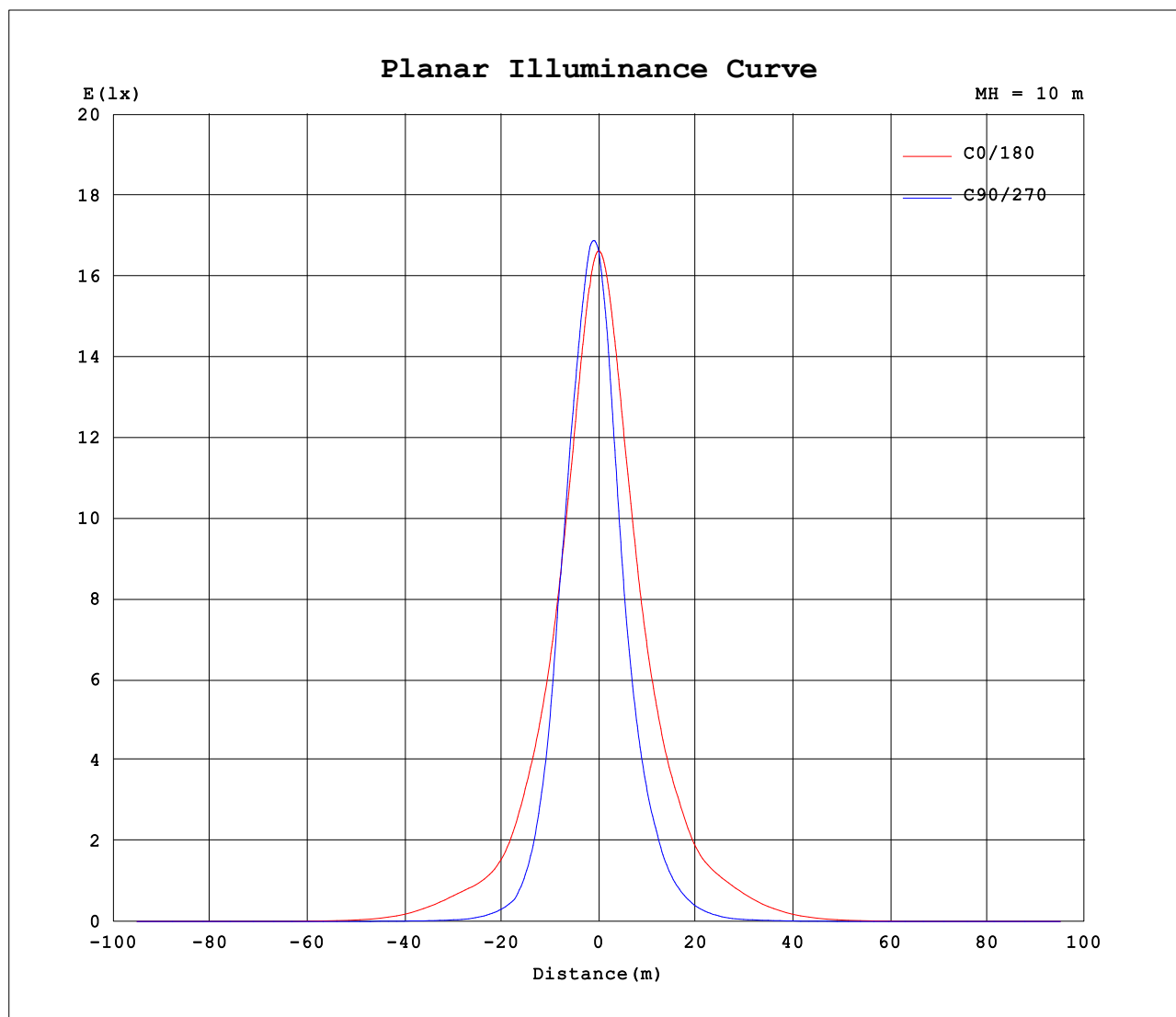
Test:U:220.9V I:0.1918A P:40.81W PF:0.9636 Lamp Flux:6189.05x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



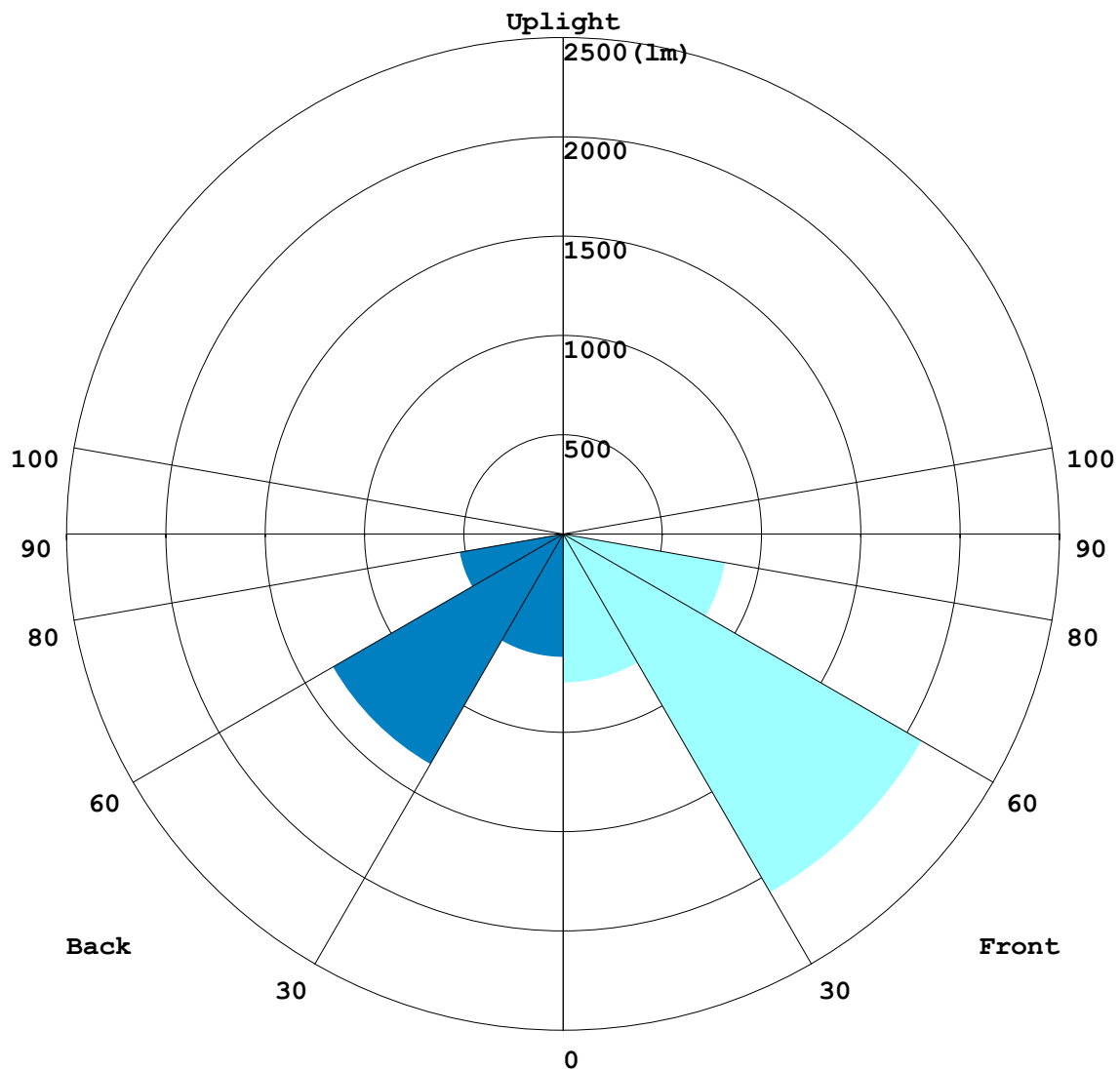
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.1918A P:40.81W PF:0.9636 Lamp Flux:6189.05x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.1918A P:40.81W PF:0.9636 Lamp Flux:6189.05x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	748.57	12.1
FM - Front-Medium(30-60)	2085.6	33.7
FH - Front-High(60-80)	828.96	13.4
FVH - Front-Very High(80-90)	24.127	0.4
Total Forward Light	3687.2	59.6

BL - Back-Low(0-30)	618.81	10.0
BM - Back-Medium(30-60)	1338.7	21.6
BH - Back-High(60-80)	528.25	8.5
BVH - Back-Very High(80-90)	16.097	0.3
Total Back Light	2501.8	40.4

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2501.8	0	2501.8
Street Side	3687.2	0	3687.2

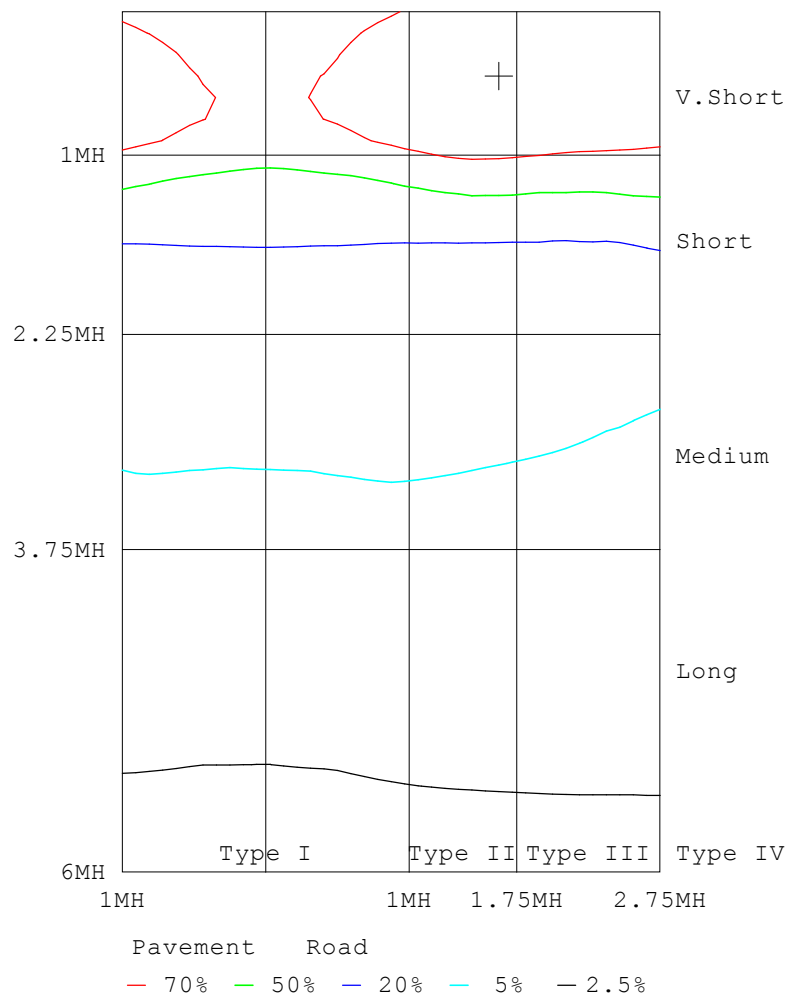
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.1918A P:40.81W PF:0.9636 Lamp Flux:6189.05x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```